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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/056,938	01/25/2002	Muhammad Mukarram Bin Tariq	10745/041 (PA-039)	3617

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INDIANAPOLIS OFFICE 27879  
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EXAMINER

MOAZZAMI, NASSER G

ART UNIT PAPER NUMBER

2187

DATE MAILED: 03/08/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/056,938

Applicant(s)

BIN TARIQ ET AL.

Examiner

Nasser G Moazzami

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 January 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 and 14-28 is/are rejected.
- 7) ☒ Claim(s) 7-13, 29 and 30 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 3.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Information Disclosure Statement*

1. The Information Disclosure Statement submitted by applicant on 01/25/2002 has been considered. Please see attached PTO-1449.

### *Specification*

2. Claims 1-30 are presented for examination in this application.

### *Claim Rejections - 35 USC § 103*

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-5, 6, and 14-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee et al., hereinafter Lee (U.S. Patent No. 6,535,493) in view of Heddaya et al., hereinafter Heddaya (U.S. Patent No. 6,622,157).

As per claims 1-6, and 14-28 Lee discloses a method for routing information to a mobile unit in a data communication system having a home network **[first subnet]** and

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a remote network **[second subnet]**, wherein a content stream to a mobile node in a first subnet with a first caching proxy in response to a request **[inherent in the art]**; relocating the mobile node to a second subnet **[the mobile unit may roam from the home network to the remote network]**; initial act of notifying the first caching proxy of the relocation of the mobile node **[registering the mobile unit with the home agent]**.

Lee discloses the claimed invention, but fails to specifically teach handing off the request to serve the streaming content from the first caching proxy to a second caching proxy by initiating a cache query to identify the second caching proxy as a function of the location of mobile node in the second subnet; and continuing to serve the request for the content stream to the mobile node with the second caching proxy.

Heddaya teaches handing off the request to serve the streaming content from the first caching proxy to a second caching proxy by initiating a cache query to identify the second caching proxy as a function of the location of mobile node in the second subnet; and continuing to serve the request for the content stream to the mobile node with the second caching proxy **[offloading requests that are intended to be serviced by the primary server to a secondary server (column 3, line 66 through column 4, line 4); the service request is intercepted and handled by the secondary server node (column 4, line 35-341); in response to an initial service request that request a service to be provided by a primary server node, a mobile agent from the primary indicates to the intermediate node that the request should be redirected to the secondary node (column 4, lines 15-23); secondary node is preferably closer to**

**the client node]** in order to have a faster response time and to reduce traffic in network.

Accordingly, it would have been obvious to one having ordinary skill in the art at the time of the current invention to use redirecting of the request from one node to another as being taught by Heddaya into Lee's mobile internet communication system in order to have a faster response time and to reduce traffic in network.

#### ***Allowable Subject Matter***

5. Claims 7-13, and 29-30 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent No. 6,636,522 (Perinpanathan et al.)

U.S. Patent No. 6,625,135 (Johnson et al.)

U.S. Patent No. 6,263,369 (Sitaraman et al.)

U.S. Patent No. 5,898,780 (Liu et al.)

U.S. Patent No. 5,715,395 (Barbson et al.)

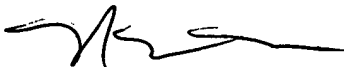
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7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nasser G Moazzami whose telephone number is (703) 305-0017. The examiner can normally be reached on 7:00AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald Sparks can be reached on (703) 308-1756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**NASSER MOAZZAMI**  
**PRIMARY EXAMINER**



03/04/2004